NT BOOK

mensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8

M. A. R. 57 (Rule 116)
Measurement Book

No. B

BR/605/28.10.16.

Serial No. 1st and final bill

Name of Work ..... From ..... To .....

Name of Contractor of nature of Agency ..... KRIDL

BR-605/28.10.16

263253

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Name of Work:-	Improvements of roads and draine SC colony at Kempapura in ward No 07 Byatarayanapura, Kodigehalli sub division.					
	Est cost:-	21.50 lakhs.					
	AS. No:-	No. BBMP/CE/YZ/A.S/ 11/16-17 ; date: 29-07-16.					
	TS. No:-	No. BBMP/CE/YZ/T.S/ 20/16-17 ; date: 29-07-16.					
	Agr No:-	No. Agr/98/16-17 ; 05-08-16					
	Workorder No:-	No. BBMP/EE/ BTP/WO/98/16-17 ; 05-08-16.					
	Date of completion:-	25-10-16					
	Date of recording:-	25-10-16					

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No.01:- Premeasurements recorded on: 7-09-16						
	Earthwork excavation for foundation of building, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications:						
	2nd cross road:-	01	15.00	3.00	0.30	= 13.50	
		01	15.00	3.00	0.30	= 13.50	
		01	15.00	3.00	0.30	= 13.50	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	2nd main road:-
	Passage:-

T BOOK

nsions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
on:	7-09-16		
ation of building, wates			
trical conduits either in			
in width, in ordinary soil			
dressing the bottom and			
the excavated soil clear			
upto 50m after breaking			
ls:			
3·00	0·30 = 13·50		
3·00	0·30 = 13·50		
3·00	0·30 = 13·50		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

263254

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		01	15·00	3·00	0·30 =	13·50	
		01	15·00	3·00	0·30 =	13·50	
		01	6·40	3·00	0·30 =	5·76	
						73·26 cum.	
	2nd main road:-	01	15·00	3·50	0·30 =	15·75	NDP AE
		01	15·00	3·50	0·30 =	15·75	
		01	15·00	3·50	0·30 =	15·75	
		01	15·00	3·50	0·30 =	15·75	
		01	14·20	3·00	0·30 =	12·78	
	Passage:-	01	6·00	2·00	0·30 =	3·60	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		01	3.95	3.60	0.30 =	4.30	
		01	6.05	2.50	0.30 =	4.53	
						85.96 cum:	
	1st main road:-	01	15.00	3.15	0.30 =	14.18	
		01	13.00	3.15	0.30 =	12.29	
		01	15.00	3.15	0.30 =	14.18	
		01	15.00	3.15	0.30 =	14.18	
		01	17.20	3.15	0.30 =	16.25	
						71.06 cum:	
	2nd main road:-	01	15.00	4.00	0.30 =	18.00	
		01	13.00	4.00	0.30 =	15.60	
		01	15.00	4.00	0.30 =	18.00	

Serial No. .....
Name of Work .....
Name of Contractor of nature of A
Date of commencement of work ..

Date	Full description, etc, of
1	2
	Culverts:-
	Item No.02:- Premeas
	Providing

T BOOK

ions		Contents	Reference to last Measurement
readth 5	Depth 6	7	8
·60	0·30 =	4·30	
·50	0·30 =	4·55.	
		85·96 cum:	
15	0·30 =	14·18	
5	0·30 =	12·29	
5	0·30 =	14·18	
5	0·30 =	14·18	
15	0·30 =	16·25	
		71·06 cum :	
00	0·30 =	18·00	
00	0·30 =	15·60	
00	0·30 =	18·00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

263255

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		01	12·00	4·00	0·30 =	14·40	
						66·00	
	culverts:-	05	4·00	1·80	0·30 =	10·80	
					TOTAL=	307·08 cum	
						N.D AE (W)	
	Item No. 02:- Premeasurements recorded on: 14-09-16.						
	Providing and laying in position plain cement concrete of						

MEASUREMENT BOOK

Main Bill:-

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No. 01:- Earth excavation for foundation of building, water supply, sanitary lines etc.,-						
	Qty vide page No:		263255 →		307.28 cum		
	At the rate of Rs:		159.84 →				49115.60
	Item No. 10:- Loading and unloading charges:						
	Qty vide Item No: 01		→		307.28 cum		
	At the rate of Rs:		94.82 →				29136.30

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
	Item No. 02:- Providing and la nominal mix 1:4:8 using ... including cost of all mat... complete as per specificat... Qty vide P... At the rate ...	
	Item No. 03:- Providing	

BOOK

dth	Depth 6	Contents 7	Reference to last Measurement 8
	of building,		scales
	307.28 cum		49115.60
	7.28 cum		29136.30

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

263258

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item No. 02:- Providing and laying in position plain cement concrete of nominal mix 1:4:8 using 40mm and down size graded granite metal including cost of all materials, labour, hire of machinery, curing complete as per specifications vide page No: 263258 → At the rate of Rs 5070.60 →				161.25 cum		817634.00
	Item No. 03:- Providing and constructing granite/trap/ basalt size.						

EE sign

MENT BOOK

Dimensions			Contents	Reference to last Measurement
ength 4	Breadth 5	Depth 6	7	8
→				150145.00
			Supply N.D AE(W-4)	
thick precast RCC covering				
de M20 mix with stone				
including centering shuttering				
0.60	-		= 34.56 cum	144831
→				
			Supply N.D AE(W-4)	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

263260

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item No. 09:- Providing ruled pointing of course stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing etc, complete as per specifications and directions of the engineer-in-charge:						
	Drain:-						
		01	20.00	-	0.60	= 12.00	
		01	20.00	-	1.20	= 24.00	
		01	25.00	-	1.20	= 30.00	
		01	10.00	-	0.90	= 9.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Culverts:-	105	4.00	-	0.60	=12.00	
						87.00 Sqm	
	At the rate of Rs: 35.64 →						3100.68 Sqm
	Item No.04:-						
	Cement concrete pavement construction of un reinforced plain cement concrete pavement, thickness as per design, over a proposed sub-base with OPC cement or any other type as per clause 1051.2.2 with 25mm and down size graded granite metal coarse aggregates and fine aggregates, with						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
	super plastiser @ 3%	conf
	in a concrete mixer of not	les
	weigh batcher as per	ap
	side form work (steel	ch
	polythene film, wedges,	
	as per drawing) and	s
	compacted using	vibr
	finished in a continous	

EE sign

NT BOOK

...ensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
-	0.60	= 12.00	
		87.00 sqm	
→			31 00.68 sqm

...nstruction of un-reinforced
...ness as per design, over a
... or any other type as
...and down size graded granite
...fine aggregates, with

M. A. R. 57 (Rule 116)

Measurement Book

No. B 263261

Serial No. ....

Name of Work .... From.................................. To......................................

Name of Contractor of nature of Agency ....

Date of commencement of work ....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

super plastiser @ 3Its conforming to IS 9103- 1999 Reaffirmed - 2008, mixed
in a concrete mixer of not less than 0.6 cum capacity and approximate
weigh batcher as per approved mix design, laid in approved fixed
side form work (steel channel, laying and fixing of 125 micron thick
polyethene film, wedges, steel plates including levelling the form work
as per drawing) and spreading the concrete with shovels, rackers,
compacted using needle, screed and plate vibrator and.
finished in a continous operation including, provision of contraction

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	expansion, construction joints, including groove cutting, separation membrane, sealant, curing compound, finishing to drawing complete as per specification.	operation		including charges		longitudinal joint filler, admixtures as approved, lines and grades as per	
	[Drains closed].						
	2nd cross:-						
		01	15.00	4.00	0.10	= 6.00	
		01	15.00	4.00	0.10	= 6.00	
		01	15.00	4.00	0.10	= 6.00	
		01	15.00	4.00	0.10	= 6.00	
		01	15.00	4.00	0.10	= 6.00	
		01	6.40	4.50	0.10	= 2.88	
						32.88 cum:	

ಕ.ಆ. (ಪಾ.ವಿ)

Serial No. .....
Name of Work .....
Name of Contractor of nature of Ag
Date of commencement of work ....

Date	Full description, etc, of w
1	2
	1st cross:-
	Checked.
	Passage:
	1st main:-

MENT BOOK

Dimensions			Contents	Reference to last Measurement
ngth 4	Breadth 5	Depth 6	7	8
on	including		longitudinal	
ing	charges		joint filler,	
nt	, admixtures		as approved,	
-lo	lines and		grades as per	
cifi	cation			
·00	4·00	0·10 =	6·00	
00	4·00	0·10 =	6·00	
00	4·00	0·10 =	6·00	
00	4·00	0·10 =	6·00	
00	4·00	0·10 =	6·00	
0	4·50	0·10 =	2·88	

32.88 cum :

M. A. R. 57 (Rule 116)
Measurement Book

No. B

263262

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	1st cross:-	01	15.00	3.00	0.10 =	4.50	
		01	15.00	3.00	0.10 =	4.50	
	Checked	01	15.00	3.00	0.10 =	4.50	
		01	15.00	3.00	0.10 =	4.50	
		01	14.20	3.00	0.10 =	4.26	
	Passage:	01	6.00	1.00	0.10 =	0.60	
		01	3.95	3.60	0.10 =	1.42	
		01	6.05	2.50	0.10 =	1.51	
	1st main:-	01	15.00	3.00	0.10 =	4.50	
		01	13.00	3.00	0.10 =	3.90	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		01	15.00	3.00	0.10 =	4.50	
		01	15.00	3.00	0.10 =	4.50	
		01	17.20	3.00	0.10 =	5.16	
						22.56	
	2nd main road:-	01	15.00	5.00	0.10 =	11.25	
		01	13.00	3.50	0.10 =	6.80	
		01	15.00	4.50	0.10 =	9.00	
		01	12.00	4.00	0.10 =	7.2	
						34.25	
	culverts (Bottom)	05	4.00	1.80	0.15 =	5.40	
					TOTAL =	120.88 cum	

NT BOOK

ensions			Contents	Reference to last Measurement
	Breadth 5	Depth 6	7	8
3·00	0·10	=	4·50	
3·00	0·10	=	4·50	
3·00	0·10	=	5·16	
			22·56	
5·00	0·10	=	11·25	
3·50	0·10	=	6·80	
4·50	0·10	=	9·00	
4·00	0·10	=	7·2	
			34·25	
1·80	0·15	=	5·40	
	TOTAL =		120·88 cum	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

263263

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Qty ltd to	120.21	cum:				
	At the rate	of Rs:	5287·68 →				635606.00
							6.35632-4
						N.L.W.I. N.D. AE(WT)	
	Item No. 05:-						
	Vacuum de-watering	with	vacuum	pump	and	suction mat and	
	compaction with ekin	floater	clubbed	with	floating	dock	including

T BOOK

sions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
3.00	0.10	= 45.00	
3.00	0.10	= 45.00	
.00	0.10	= 51.60	
		225.60	Sqm:
.00	-	= 75.00	
50	-	= 47.25	
50	-	= 67.50	
00	-	= 48.00	
		237.75	Sqm:
OTAL =		1054.70	sqm
		100991.00	sqm

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 263265

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date* 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item No.06:- Providing Groove cutting for width of 5mm to 10mm and depth 80mm - 100mm including cost of cutting machine, generator and HOM of machinery, including cost of blade, coolant etc., including cleaning of groove and providing sand and hot bitumen filler and filles metal etc, including cost of all material, labour lead and left charges and all other incidental charges as per drawing and as per specifications						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	2nd cross road:-	10	4.00	-	-	= 40.00	
	1st cross road:-	09	3.00	-	-	= 18.00	
	1st main road:-	10	3.00	-	-	= 30.00	
	2nd main road:-	10	3.50	-	-	= 35.00	
						123.00 Rmts	
	Qty tld to	120.00 Rmtrs					
	At the rate of Rs: 124.20 →						14904.00
	Add KRPDL charges 8% =	15698.00				Grand total:-	1962259.00
		1963.00					

Grand TOTAL = ~~2119239.00~~ 2158.514 - m

Amplt. N.D AE(WT) 25/10/16 196228

MCPFC

Ryali 25/X/2016

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency

Date of commencement of work .....

Date	Full description, etc, of work
1	2

(75.2×3)

81.4×(4.8+4.5)

2nd cross

(55×4.0) Avg

Ryali

ENT BOOK

Dimensions			Contents	Reference to last Measurement
	Breadth 5	Depth 6	7	8
			40.00	
			18.00	
			30.00	
			35.00	
			123.00 Rmts	
→			1904.00	
and total:-			1962259.00	

Mrlpllj. N.D
AE(WT) 25/10/16 1962285

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....
Name of Work ← kempapura mainroad → From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

263266

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Shani Mahatma temple ☒				☒ Jain horitage school:		
	(15.2×3)m		1st main				
	81.4×(4.8+4.5) 3rd cross		(74.0×3.0)				
	(55×4.0)sq 4nos		2nd main.				
					Jain Heritage School road.		
							☒ RE-road.

PLAN

SWD

Mrlpllj. N.D
AE(WT)

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Certificate:						
(1)	Certified that the works done by the contractor is satisfactory.						
(2)	Certified that the debris has been removed from the spot.						
	Ashpl/4-N.D AE(Civil)						

Serial No. ..... Royalty char...
Name of Work .....
Name of Contractor of nature of A...
Date of commencement of work ...

Date	Full description, etc, of
1	2
S.NO	Details | Qty | Uniti...
01	1:4:8 = Cum = 1
02	RMC = Cum = 12
	TOTA...
	Abstract:-
	Stone Aggregat...
	Fine Aggregat...

EE sign

MENT BOOK

Dimensions			Contents	Reference to last Measurement
ngth 4	Breadth 5	Depth 6	7	8
y the	contractor is satisfactory;			
been	removed	from the spot.		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. Royalty charges

Name of Work ..... From..... To.....

263267

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents	Reference to last Measurement 8
		Number 3 Jelly	Length 4	Breadth 5 sand	Depth 6	7 cement	
	SNO Details Qty Unit	Co-eff	Qty	Co eff	Qty	Co eff	Qty:
01	1:4:8 = Cum = 161.25	0.96	154.80	0.46	74.17	-	-
02	RMC = Cum = 120.21	0.85	102.18	0.46	55.30	-	-
	TOTAL=		256.98		129.47		
	Abstract:-						
	Stone Aggregates: 256.98 X						
	Fine Aggregates: 129.47 X						

BR/605/28.10.16

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						Total Rs: 21.58.514-00	
						ST - 43170-00	
						VAT - 86341-00	
						Cess - 21585-00	
						CBF - 2159-00	
						FSD - 107926-00	
						LR - 41737-00	
						Adj. 302918-00	
						Cheque 18,55,596-00	

ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ 21.58,514-00

ಗಳಿಸ್ಲಾಮಾಸ್ಟು ಮಾಡಿದೆ : ಇದರಲ್ಲಿ ರೂ 302918-00

ಮೊಂಡಾಗಿ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಮೊಬಲಗು

ರೂ 18,55,596-00

ಚೆಕ್ ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ

ಲೆಕ್ಕಾಧೀಕ್ಷಕರು

ವ್ಯಾಪಾರಾಯುಷ್ಮಾನ್ ವಿಭಾಗ

ಹುಬ್ಬಳ್ಳಿ-ಧಾರವಾಡ ಮಹಾನಗರ ಪಾಲಿಕೆ

14/11/16.

BR/607/2

Serial No. First and

Name of Work

Name of Contractor of nature of A

Date of commencement of work

Date	Full description, etc, of
	2
	Name of Work:-
	Est cost:-
	A.S No:-
	T.S. No:-
	Agr. No:-
	Work Order No:-
	Date of completi
	Date of Recordin